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PATENT

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C. Healion

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Applicant : Henry Samueli, et al.

Application No. : 09/819,049

Filed : January 20, 1998

Title : SYSTEM FOR, AND METHOD OF, PROCESSING QUADRATURE
AMPLITUDE MODULATED SIGNALS

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Grp./Div. : Not Assigned

Examiner : Not Assigned

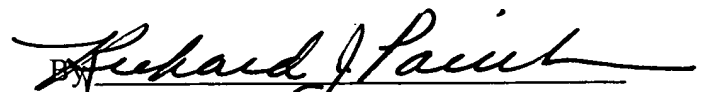
Docket No. : 39521/RJP/B600

INFORMATION DISCLOSURE STATEMENT
37 CFR § 1.97(b)Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450Post Office Box 7068
Pasadena, CA 91109-7068
April 26, 2004

Commissioner:

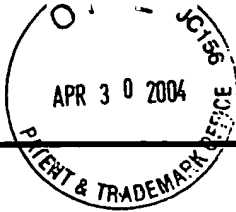
In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the listed references are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Respectfully submitted,
CHRISTIE, PARKER & HALE, LLPRichard J. Pacinian
Reg. No. 28,248
626/795-9900

RJP/cah

Enclosures: PTO/SB/08A/B, w/references
CAH PAS562307.1.*-04/26/04 9:36 AM



FORM PTO/SB/08A/B (10-01)
Substitute for PTO-1449A/B

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Attorney Docket Number	39521/RJP/B600
Application Number	09/819,049
Filing Date	January 20, 1998
Applicant(s)	Henry Samueli, et al.
Group Art Unit	Not Assigned
Examiner Name	Not Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
		3,962,637	06-08-1976	Motley et al.
		4,253,184	02-24-1981	Gitlin et al.
		4,599,732	07-08-1986	LeFever
		5,386,239	01-31-1995	Wang et al.
		5,400,366	03-21-1995	Iwamatsu
		5,412,352	05-02-1995	Graham
		5,692,011	11-25-1997	Nobakht et al.

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)

OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		SAMUELI, et al, "A VLSI Architecture for a High-Speed All-Digital Quadrature Modulator and Demodulator for Digital Radio Applications", IEEE Journal on Selected Areas in Communications, Vol. 8, No., 8, pp. 1512 - 1519, 10/1990
		WONG, et al, "A 200-MHz All-Digital QAM Modulator and Demodulator in 1.2- μ m CMOS for Digital Radio Applications", IEEE Journal of Solid State Circuits, Vol. 26, No. 12, pp. 1970 - 1980, 12/1991
		SAMUELI, et al, "VLSI Architectures for a High-Speed Tunable Digital Modulator/Demodulator/Bandpass-Filter Chip Set", 0-7803-0593-0/92 IEEE, pp. 1065 - 1068, 1992
		SAMUELI, et al, "VLSI Architectures and Circuits for High Bit-Rate Digital Modems, Adaptive Equalizers and Frequency Synthesizers", 1992 IEEE Architectures and Circuits, pp. 211 - 220, 3/1992

EXAMINER
SIGNATURE

DATE
CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

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FORM PTO/SB/08A/B (10-01)
Substitute for PTO-1449A/B

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Group Art Unit

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EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		JOSHI, et al, "A VLSI Architecture for a Single-Chip 5-MBAUD QAM Receiver", IEEE Global Telecommunications Conference (Orlando, FL), pp. 1265 -1268, 12/1992
		DANESHRAD, et al, "A Carrier and Timing Recovery Technique for QAM Transmission on Digital Subscriber Loops", IEEE ICC '93 (Geneva, Switzerland), pp. 1804 -1808, 5/1993
		LU, et al, "A 60-Mbaud Adaptive Transversal Equalizer in 1.0- μ m CMOS for QAM Digital Modems", Proceedings of the IEEE 1993 Custom Integrated Circuits Conference, 5/1993
		LU, et al, "A 60-MBd, 480-Mb/s, 256-QAM Decision-Feedback Equalizer in 1.2- μ m CMOS", IEEE Journal of Solid-State Circuits, Vol. 28, No. 3, pp. 330 - 338, 3/1993

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